

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/14/2019 09:55 AM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125228	0	1.89	125322	1.89
Blue	F	SSC	125000	123584	-2	1.50	124360	1.47
Blue	E	FITC	16122	15566	-4	2.84	339	19.95
Blue	D	PE	29316	28682	-3	1.96	625	14.79
Blue	B	PerCP-Cy5-5	42590	41779	-2	3.69	1124	19.86
Blue	A	PE-Cy7	33146	33220	0	6.12	631	40.37
Red	C	APC	45473	45158	-1	2.53	1602	12.09
Red	A	APC-Cy7	31961	30703	-4	2.52	811	12.04
Violet	B	V450	7914	7503	-6	4.76	417	13.51
Violet	A	V500	29769	28395	-5	4.49	660	10.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21478	4.04	609	9	N/A	N/A	Pass
Blue	F	SSC	56261	1.10	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	540	3	0.0209	188	Pass
Blue	D	PE	130	49.99	543	6	0.1621	275	Pass
Blue	B	PerCP-Cy5-5	206	50.15	647	9	0.0097	107	Pass
Blue	A	PE-Cy7	117	102.05	701	10	0.0113	22	Pass
Red	C	APC	381	25.64	587	8	0.0249	202	Pass
Red	A	APC-Cy7	179	28.66	562	6	0.0055	909	Pass
Violet	B	V450	65	61.96	466	6	0.0567	2656	Pass
Violet	A	V500	99	34.88	478	6	0.0215	830	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.10	-31.69	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.73	13.60 - 20.40	N/A	N/A	29.19	29.65	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12815

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments